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# EPIPHYLLUMS

## *And Hybrids*

TITLED BY SOME "ORCHID CACTUS"

ZYGOCACTUS — RHIPSALIS

AND OTHER MISCELLANEOUS ITEMS



## BEAHM GARDENS

GERTRUDE W. BEAHM SHERMAN E. BEAHM  
2686 EAST PALOMA ST., PASADENA 8, CALIF.

*Los Angeles to Sierra Madre bus stops at our corner*

VISITORS WELCOME

CLOSED WEDNESDAYS AND THURSDAYS EXCEPT BY APPOINTMENT

**EPIPHYLLUM — PHYLLOCACTUS — PHYLLOCEREUS**

Flowering season—April, May and June

In order to eliminate any possible confusion arising from the use of the name "Orchid Cactus" for Epiphyllum hybrids, we offer the following explanations:

The name "Orchid Cactus" has only been in use for the past few years. It was started by a commercial dealer for its obvious "trade-pulling" power. This has caused and is causing endless trouble in the minds of the uninitiated since the EPIPHYLLUMS bear no relationship to the ORCHIDS beyond the fact that both have exquisite flowers and epiphytic traits.

Since the publication of "Cactaceae" by Britton & Rose in 1923, the name Epiphyllum has come into general use in the United States replacing the term Phyllocactus which has been in use in Europe and other parts of the world for well over a hundred years.

The term Phyllocereus refers to a definite intergeneric hybrid, an Epiphyllum crossed with Heliocereus.

Word descriptions seem so inadequate in describing these magnificent flowers, that we have assembled groups of kodachrome slides (with small viewers) to loan to individuals or clubs. Please write us for particulars.

**SYMBOLS**

Letters following plant names designate the originator:

Bhm.=Beahm  
Cldg.=Coolidge  
Cp.=Cactus Pete  
Dly.=Daly  
Kn.=Knebel  
Mon.=Monmonier

Poin.=Poindexter  
Sh.=Sherfy  
Std.=Stoddard  
Stl.=Steele  
Weg.=Wegener  
Kado=Kado

sm.=small  
med.=medium  
lge.=large  
R. C.=rooted cutting  
C.=cutting

A single CAPITAL LETTER in the description indicates the TYPE as (B) referring to Type B. r. c. means rooted cuttings and c. means cutting.



LOHENGRIN



CALIFORNIA BEAUTY

Dear Customer:

Because many of you are just getting acquainted with the epiphyllum (epi-fill-um) I will devote the next few pages to describing the flowers so that you may understand them better. You will find that the small gem-like flowers will appeal to you in so many ways, nevertheless the very large 10-inch or more flowers are so spectacular as to hold you spellbound.

### FLOWER SIZES

In stating FLOWER SIZES—large—medium—small—it is very easy to create a confusion in the minds of the general public as to what is really meant, therefore we have set up this approximate scale for designating sizes of epiphyllum flowers as we grade them—measuring diameter of flower when pressed wide open.

**SMALL**—will include flowers  $2\frac{1}{2}$  to approximately 5 inches in diameter.

**MEDIUM**—would embrace flowers from  $4\frac{1}{2}$  to  $6\frac{1}{2}$  inches.

**LARGE**—indicates flowers an average bloom of which would measure 6 to 8 inches.

**ALL HYBRIDS** whose flowers average above 8 inches—some going to 10 or 11 inches—should be classed as **EXTRA LARGE** or **GIANT**.

You will note that these sizes are overlapping. Epiphyllum flowers can be expected to vary in size on a single plant just as there is a variation in sizes of fruit on one tree—so much depends on health of plant, season of the year, fertilization and locale, and whether grown indoors or out. A single plant of Padre may have a medium size as well as a super-size flower during the same season. Our statement of sizes is based on the average run after a study of a number of flowers on the typical plant.

The expression **SHORT OVARY** and **TUBE** or **FLOWER STEM** simply means that this part of the flower will measure much shorter than the length of the longest sepal or petal.

For descriptions as to plants and plant care see pages at the back of this catalog.

### FLOWER TYPES

or Shapes of Blossoms

There are several distinct forms or shapes of these flowers with many of them overlapping so no line of demarcation can be given. As in flower sizes, the types will overlap and what one might envision as bell-shaped another would call funnel-shaped.

This explanation is not concerned with SIZES but is an attempt to define SHAPES. The different types or forms can often be found in several sizes of flowers ranging from so-called small, through medium to extra large. We are trying to simplify descriptions by setting up six general classes or types, as follows:

#### TYPE A

Flowers are very wide open. They might be termed saucer-like. Quite often they are very large and not too compact. The sepals stand out or a few may turn back. The petals and sepals often number less than 25. Examples: Gloria, Conway Giant, Adonis, Jenkinsonii, Sun Goddess, Mauvette.

#### TYPE B

Flowers are quite compact. The sepals and petals hold together closely and overlap well, giving a full effect. These flowers are wide open but not flat with numerous sepals and petals. They are best represented by the Phyllocereus and often will have a slight spine on ovary and plant. Examples: Bohemienne, Peacocki, Dante, La France, Heliocereus Speciosus, Prof. Ebert.

#### TYPE C

Flowers might be of any size; the forward petals are well separated from the outstanding sepals. A few sepals may turn back. The petals may flare trumpet-like or the tips may curve inward, forming a cup. Examples: Deutsche Kaiserin, Padre, Otto Siepke, Magnolia, Marie Van Hoorde, Roseus Superbus, Scheherazade, Rosetta.

#### TYPE D

Flowers have a certain similarity to Type C in that the sepals and petals are well separated from each other but the sepals are usually quite narrow and recurved, while the petals extend forward well parted. Examples: CeKa, Pink Pearl, Jules Schlumberger, Symphony, Montezuma.

#### TYPE E

Flowers are represented by several of the true species. The flowers are flat or wheel-shaped; sepals and petals often long and slender. Sometimes sepals stand out like spokes and the petals may be shorter and not quite flat open. Examples: Strictum, Stenopetalum, Friedrich Werner Beul, Sunburst, Cartwheel.

#### TYPE F

Flowers are unique or hard to describe forms. Examples: Pride of Bell, Ben's Laura, and those with narrow quilled petals.

Flowers with characteristics common to several types might be represented by a TYPE LETTER and the plus or minus sign as needed.

## THOUGHTS ON COLORS IN EPIPHYLLUMS

**YELLOWs**—this is another confusing point—solid clear yellow, as far as we are concerned, does not exist in epiphyllums. So-called yellows are always basically white or pale cream in the centerstripe and throat of the flower. The unopened bud may be intensely yellow. The open flower may have strong yellow tips, the yellow extending prominently down edges of petals but that still is NOT A YELLOW flower. It must be remembered also that light exposure is a very important factor in intensifying the yellow tones. Buds flowering on the shady side of a plant will often be

very much lighter than those buds facing the sun.

The evasive **BLUE**—(True Blue)—is also still missing. What one sees in the heart of an epiphyllum is an iridescent sparkle as noted in electricity or a fuchsine or magenta-purple tone.

**COLOR GROUPING** poses another problem—no two people see colors alike—thus in our Group II and Group III it sometimes happens that an epiphyllum one might say belonged in Group II, another might insist belonged in Group III.

## COLOR GROUPS

We have set up the following groups to help classify these flowers as to color. This is difficult because of the wide range of color combinations. Some flowers have more than one outstanding color. Nearly all of them contain a small amount of contrasting tint or shading of self-color and therefore might be placed in more than one group. Distinction between tints and shades is a matter of personal understanding. Even the flowers themselves are of deeper tones at certain stages. We use the Horticultural Colour Chart issued by the British Colour Council (available at \$12.50) in describing our epiphyllums.

### GROUP I

Listed on page 5

**WHITES, CREAMS**, and some enhanced with yellow. Sepals will usually carry a different color such as green, yellow, tan or rose.

### GROUP II

Listed on page 7

**LIGHTEST SOFT TONES OF PINK**—rose-pink, salmon-pink, lavender-pink, some one-toned, some in combination.

### GROUP III

Listed on page 9

**DEEPER PINKS, LAVENDER-PINK, ROSE-PINK**. Often with other contrasting colors.

### GROUP IV

Listed on page 11

**ORANGE, AMBER, COPPER and AUTUMN SHADES**. Often with violet or purple in center or along edges.

### GROUP V

Listed on page 13

**ONE-TONED REDS**, vermilion, scarlet, maroon.

### GROUP VI

Listed on page 14

**REDS** of all sorts but combined with various other colors.

### GROUP VII

Listed on page 17

Sometimes colors are blended in such a way as to make description and classification difficult. These we are grouping here.

### GROUP VIII

Listed on page 19

**PURPLES and ORCHIDS**. All tones from light to dark.



HEUREKA

## GROUP I—WHITES, etc.

**ALBATROSS** Stl. Large white with yellowish outer. 75c

**ALBINO** Stl. Small to medium, pure white trumpet 16 sepals and petals, sepals pinkish tones. \$1.00

**ALICE ROOSEVELT.** Large many petaled, white with rich yellow sepals (A). 75c.

**AMARILLO** Stl. Early flowering with green-white broad sepals and waxy broad white petals. \$1.00

**ANNA RETTIG.** Cream-white with very rich yellow sepals (C). Large. 75c

**ARTESIA** Stl. Large white with light yellow sepals. 75c

**BABY DOLL** Bhm. Small flower, wide blunt petals, heavy rose-pink sepals. Short tube. 1.50

**BALLET Russe** Cldg. Rather small, pure white, canary yellow buds and sepals. \$1.00

**BEN'S LAURA 1946.** Very numerous chiffon-like petals, distinctly pearly clear to throat. Flower very flat open to recurving, inner petals banked high. Growth glaucous, triangular. \$2.00

**BLANCHE** Stl. Wide open white with lemon-green sepals (A). Medium. 75c

**BLANCO** Poin. Giant flower. Very broad crinkled sepals and petals, outermost yellow (A). 75c

**BRIDAL VEIL** Poin. Giant pure white, broad crimped petals, soft texture (A). \$1.00

**CHAMPAGNE** Stl. (C). Inner petals narrow and almost always yellow; at least heavily tipped. Forward trumpet. Sepals tannish yellow. \$1.50

**CHIARO DI LUNA** Stl. Golden yellow outer, white inner, large. 75c

**CITRINE** Stl. (C). Large full petaled, open cup. Lemon yellow to white center. \$1.00

**EMERALD ISLE** Bhm. 1949. Sepals yellow-green cast, petals and filaments distinct green-white. \$1.00

**FIRST PLACE** Stl. Pure white inner, yellowish outer. Medium (A). 75c

**GRENA GREEN** Bhm. 1950. Very large greenish-white with few smooth strap-like narrow semi-pointed sepals and petals. Flat opening with very short ovary and tube. Distinctive. \$2.00

**HALO** Stl. Giant yellow and white, broad petals, wide open cup. Choice. \$1.50

**HELIANTHUS** Stl. Very yellow-brown buds opening to many petaled yellow flower with cream-white center. Inner petals tipped in yellow. Forward cup opening. Fine. \$1.50

**ICED GLORY** Bhm. 1950. Lively white with back petals to yellow tips. Good size and texture. \$1.00

**ICE CAP** Bhm. White with China Rose sepals. Large. 75c

**IVORY** Stl. Creamy, wide pointed petals, outer lemony. 75c

**KATY-DID** Stl. Medium flower with splendid opening and carriage. Light primrose yellow. \$1.50

**KINCHINJUNGA.** Extremely dark waxy bud with 4 large triangular or wing-shaped back cover leaves. Unique. 75c

**MADONNA** Stl. (A). Broad, well rounded wide opening petals, slightly ruffled. Sepals light canary yellow recurving. Exquisite. Early. \$1.00

**MARINA SPECIAL** Poin. A giant white flower, extremely broad ruffled inner petals often tipped with bright yellow and backed by nearly orange sepals (A). \$2.00

**MILKY WAY** Stl. Medium sized late white flower with very ruffled inner petals. Sepals rose-tan and yellow. \$1.00

**MOONLIGHT** Stl. Extra large and fine (D). Outer sepals bronze to light lemon yellow, flaring trumpet. \$1.00

**MOONLOVE** Bhm. 1951. Forward wide open, crispy firm texture, cream-white. Very numerous well parted petals and amber yellow sepals. Large flowers. \$1.50. Not to be confused with Moonrise.

**NATALIE** Stl. Cream color, chartreuse sepals. Medium-large. 75c

**PAUL DE LONGPRE.** Rich yellow outer extending into the petals (C). Large. 75c

**POLAR BEAR** Stl. (A). Large white with light lemon tipped petals well separated. Sepals smooth, gracefully recurved, light yellow. \$1.00

**PRES. F. D. ROOSEVELT** Mon. White broad crepe-like petals (A). Large. 75c

**REGINA DEL CHIARO** Stl. (A). Large white with lemon yellow pointed sepals. Innermost petals wide opening, glistening white with crimped tips. A very beautiful flower and a good keeper. \$2.00

**SERENIDAD** Stl. Black-red bud opening to a creamy-white flower with few beet-red sepals. All sepals and petals very pointed. Wide open. Refined appearance. 75c

**SEVEN-UP** Stl. Large many petaled flower, yellow with white, silky texture (C). 75c

**SHASTA** Stl. Large white with narrow twisted and curled sepals and petals (E). \$1.00

**STAR DUST** Stl. Narrow petaled white with yellow (D). 75c. Basket.

**THEME SONG** Bhm. (D). Lively touches of yellow on a large cream-white flower. \$1.00

**TOWHEAD** Stl. Small to medium yellow and white with some rose-bronze outermost sepals. Slightly frilled, open cup. \$1.00

**VELA** Stl. Large silvery white, pointed petals. 75c

**VESPER** Stl. Inner cream and yellow, outer rich yellow. 75c

**WHITE BEAHM.** Giant white with yellow sepals, broad petaled with folded tips. Good texture. Suitable for pedestal. 75c

**WHITE FLAME** Bhm. Broad, wavy, crimp, rose-tan sepals and pure white petals, wide open. \$1.50

**WHITE SWAN** Stl. Medium-large, creamy white (C). Good keeper. 75c

**WILLIAM ROHBOCK** Mon. Glistening white, compact, semi-flat. 75c

**WINTER MOON** Sh. (A). Not large but excellent form with interesting delft rose tube and yellow sepals. Clean light green plant growth. \$1.00

**YELLOW VIOLET** Kado (C). Extremely yellow outermost sepals. Inner petals white. Framed with waxy long scales. Unique. Limited. \$1.50

**YREKA** Bhm. (Y-reka) (D). Numerous sepals and petals all heavy with yellow or rich cream. \$2.00

#### 50c each—5 for \$2.00

**Anguliger**—species, saw-toothed.

**Belgica**—compact (C).

**Cooperi**—giant, exquisite scent.

**Crenatum**—species.

**Easter Morn**—many crimp petals.

**Eden**—white to yellow, large.

**Frau Poldi Cvetnic** (A)—large.

**Gardenia**—giant white (C).

**Guatemalensis**—species (E).

**Londonii**—creamy-white (C).

**Magnolia**—cup-shaped broad petals.

**Moonrise**—white and yellow (B).

**Mt. Hood**—white and yellow (C).

**Mt. Rainier**—white and lemon yellow.

**Oriole**—rich creamy yellow.

**Otto Schmidt**—white and lemon, large.

**Oxypetalum**—species, giant, fragrant.

**Snow-cap**—pure white, medium.

**Stenopetalum**—species, (E), large.

**Strictum**—species, rose pistil (C).

**Young Nun**—giant (C).

#### Formerly priced up to \$1.00—Now Special 60c each or 5 for \$2.00

##### Unrooted cuttings

Albus Superbissimus, Beulah, Castnori, Charles Larkin, Diamond Lil, Dove of Peace, Elfe, Eskimo, Estrellita, Ferdinand Schmoll, Francisco, Frau von Schiller, Ghost, Gretchen Steudte, Icicle, Larseni, Luna, Mt. Lofty, Phoebe, Phosphor, Pond Lily, Star of Bethlehem, Triumph de Guebwillers, Westfalen, Wrayii.

## GROUP II—LIGHTEST PINKS, etc.

**ADONITA** Bhm. (A). Light carmine-rose. Lasting qualities. Limited. \$1.50

**BALLERINA** Mon. Light 3-toned salmon-pink, full petaled, excellent formation. Medium. Basket. 75c

**BELLA DONNA** Stl. Hybrid of Bella x Adonis (C). Pink with star eye. Large. 75c

**BONNIE BRAE** Stl. Light lavender-pink flowers in two shades deepening with age. Petals wide open, very crimp. Sepals very broad, reflexed. \$1.50

**CINDY** Stl. Charming lavender-pink in three shades, sepals slightly darker and reflexed. Narrow well parted forward petals. \$1.00

**CLARABELLA** Stl. Crisp flower. Medium sized even shade of rose-pink (C). Full petaled. \$1.00

**CONTENTMENT** Bhm. Large Dawn Pink (A). Thick bunt buds. 75c

**ELEKTRA** Kn. Delicate carnation pink with darker midstripe. 75c

**ENSEMBLE** Stl. (C). Flesh pink darkening to a carnation pink. Rose eye with a hint of cerise. Easy to flower. \$1.00

**FAIRYLAND**. Delicate lavender-pink, medium (D). Basket. 75c



PINK NYMPH

**FAIRY QUEEN** Stl. (C). One of the most delicate pinks. Nearly white center deepening at petal tips. A rare combination. Limited. \$2.00

**FORTUNA** Stl. Lavender-pink with cerise eye. Large (A). 75c

**HAVILAND** Stl. (C). Delicate Porcelain Rose (medium size). Late bloomer and good keeper. \$1.50

**KAISERIN IMPORT**. One-toned pale pink flower, larger than the Deutsche Kaiserin. Plant growth is broad and not subject to leaf spot. \$1.00

**LADY GODIVA** Stl. Numerous tannish rose sepals and petals with vivid star-shaped eye of cerise. \$1.00

**LILA SOLFERINO**. Tan over rose-pink. Large, scented (A). 75c

**MISS MUFFET** Bhm. 1950. Kaiserin-Hans Rehm hybrid. Small to medium, good corsage and excellent foliage. Nearly one-toned light rose-pink, very narrow sepals and petals. \$1.50

**NANNETTE** Stl. Broad, short, brownish rose sepals. Petals are a very delicate pink flecked with lavender (C). \$1.00

**NILMAH** Stl. (C). First morning nearly white deepening to baby pink. Center eye of light cerise. Overlapping petals form good cup. \$1.00

**NORMANDIE** Stl. (D). Giant of suffused Rhodamine Pink. Broad, blunt petals. \$1.50

**PASTELLO** Stl. (D). Greenish pink sepals with inner petals delicate shell-pink to almost white center. Exquisite. Just released. Limited. \$1.50

**PINK GLORIA** Stl. Pale Spinel Pink, giant (A). Frail texture. 75c

**PULFORD'S GIANT TRUMPET** Bhm. Delicate China Pink (C). Flaring trumpet. 75c

**ROSABELLA** Stl. Dawn Pink, crimped sepals and petals, one tone, large (A). 75c

**ROSE OF MONTEREY** Stl. Graceful airy flower, large, one-toned light pink, good texture. \$1.00



DEUTSCHE KAISERIN (EMPRESS)

**SEPTEMBER MORN** Stl. (C). Shrimp pink with bright pencil edge of Fuchsia. Pink on numerous inner petals. Definite cup-shape. Medium size. 75c

**SPRINGTIME** Stl. (C). Soft pink with flecks of lavender but no eye. Broad petals. Scented. \$1.00

**SWEET BRIAR** Stl. (C). Loose open cup medium size flower. Broad inner petals of delicate pink. Brownish pink sepals. Wild rose scent. \$1.00

**WALKURE** Kn. 315. Various shades of Camellia Rose, sepals darker than petals. Ball-shaped flower. Varying sizes and lighter color of inner petals lend a distinct charm. \$1.00

**WELCOME** Stl. (D). Exquisite pale rose-pink overcast with delicate lavender, slightly deeper eye, light ruffled edge. Marvelously scented. \$1.00

**ZOE** Stl. Unusual shade of light begonia-pink, full-petaled, large (B). \$1.00

50c each—5 for \$2.00

**Adonis**—delicate lilac-pink (A).

**Alpha**—light rose, narrow petals.

**Antwerpia**—giant salmon-pink, ruffled.

**Argus**—apricot pink, rose eye (B).

**Bohemienne**—3 shades of rose (B).

**Charm**—soft pink, white centerstripe.

**Couranti**—pale salmon-pink over tan.

**Deliciosa**—soft pink, medium (C).

**Deutsche Kaiserin**—dainty small rosebuds (C).

**Deutsche Kaiserin**—Empress.

**Deutsche Kaiserin**—German Empress.

**Deutsche Kaiserin**—Giant Empress.

**Lady Irene**—soft pink, fragrant (A).

**Marie Van Hoorde**—two-toned, medium (A).

**Martha Knebel**—salmon-pink, rose eye.

**Padre**—lavender pink, large (C).

**Roseus Superbus**—rose-pink, medium-large (C).

Formerly priced up to \$1.00—Now Special 60c each or 5 for \$2.00

Unrooted cuttings

Anna Brunnow, Bella, Celeste, Edmund Odie, Hebe, Illeana, Judy, La France, Lilacinus, Mme. Sallier, Sarah Courant, Venus.

## GROUP III—DARKER PINKS, etc.

**ALICE SERGEANT** Cp. Wreath of darker sepals place this in Group 3 though trumpet shaped petals of pale salmony pink would indicate Group II. \$1.50

**ALLUROSA** Bhm. Dark pink with rose eye, petals broad, wide opening. Always admired. \$1.50

**BAGDAD** Stl. Giant, old rose, extremely flaring bell-shape. 75c

**CARNATION** Stl. A lovely shade of carnation-pink, rose eye. Broad overlapping sepals and petals. Erect heavy grower. \$1.50

**CELESTINE** Stl. (B). Lilac pink with a deeper rose edge; not a band. \$1.00

**DAY IN SPRING** Poin. One-toned giant old rose marbled effect, many petals (C). 75c

**DOLL DANCE** Bhm. One-toned French Rose (D). Free flowering. Medium-large. \$1.50

**DUCHESS OF WINDSOR** Bhm (A). Well rounded heavy thick petals. Even tone of orchid-pink with rose eye. Broad orange-pink sepals. 75c

**DUKE OF WINDSOR** Bhm. (D). Very soft tones of Camellia Rose with deeper center stripe. Outer petals narrow, curling, brownish pink. \$2.00

**FRAU MARIA RUHL** Kn. Fuchsine Pink, medium size, free flowering (A plus). 75c

**FRITZ REICHENBACH**. Marbled Porcelain Rose, large, many narrow sepals and petals (C). 75c

**GRACE MARIE** Bhm. 1949. Full petaled, delicate true pink, numerous sepals of a distinctly different color. Flower very large, fragrant, style and size of Cooperii of which it is a hybrid. \$2.00

**HOLLYDALE** Bhm. 1951. One-toned rose-pink, extremely firm textured, truncated overlapping sepals and petals giving it a stemmed glass appearance. \$1.50

**HOHENZOLLERN**. Phlox pink with lighter throat, ruffled petals (A). 75c

**JOYCE** Bhm. Deep lavender-pink, good texture (C). Small. 75c

**LADY EDNA** Stl. (A). Giant wide open flower with broad well rounded petals. Slight spoon at petal tips. One-toned lilac pink. \$1.00

**LILA** Stl. Very crimped broad blunt petals hooked at tips. Petals have measured up to two inches wide. Deep lilac-pink with no eye. Crepe texture. 75c

**MAXWELLTON** Bhm. 1950. Rich coral color with white at base of petals. Many well parted petals and sepals. Medium sized. \$1.00

**MERMAID** Stl. Giant one-toned old rose, wide opening, numerous inner petals of various width and lengths. Petals very crinkled, light at base. \$1.00

**MISS MARGARET TRUMAN** Bhm. Petals apricot pink with medium eye. Open trumpet. Sepals reflexed, deeper petal color. Excellent carriage. \$1.50

**MRS. BESS TRUMAN** Bhm. Good deep Phlox pink deepening to Fuchsine Pink. Heavy textured, open trumpet, broad, rounded sepals and petals. \$1.50

**ORCHID BEAUTY** (A). Beautiful orchid-pink, deep tan-pink sepals, wide open, not flat. 75c



CARNATION

**PANDORA** Stl. Sepals extremely broad dark rose-pink. Petals broad blunt, medium lavender pink with slight cerise edge. \$1.50



PADRE

**PARADISE QUEEN** Bhm. One-toned Fuchsine Pink flower overlaid with electric blue. Sepals broad darker color. Cross of Cooperii and Paradise. \$1.50

**PEACHY** Poin. Giant, Porcelaine Rose with Chinese Coral center stripe, numerous petals, short ovary-tube (B). \$1.00

**PEDRITA** Bhm. Small, Camellia Rose with darker center stripe (C). 75c

**PINK BALLET** Sh. One-toned lilac-pink of excellent texture and keeping qualities, medium (C plus). \$1.00

**PRINCESS PAT** Bhm. Full petaled coral-pink, medium sized, with good texture. 75c

**ROSALIE** Stl. (C). One-toned deep rose, broad well rounded petals, firm texture. \$1.00

**ROSEA STELLATA** Stl. (A). Broad spooned lavender-rose petals with cerise edge. White dots at base of petals lend additional charm—indeed a large, magnificent flower. \$1.50

**ROSE BLUSH** Stl. (C). Old rose with a bluish cast and tan center stripe. Broad blunt sepals and petals. No eye. Difficult to describe but fine. \$1.00

**ROSE MARIE ROSETTA** Bhm. (C). Long pointed buds similar to the rose of the same name. Small flower. Limited. \$1.00

**ROSE TOURNEY** Bhm. Camellia Rose pink with white petal base. Sepals narrow, flare all angles. Petals numerous, wide open, loose. \$1.50

**SATURDAY NIGHT** Poin. Very narrow-petaled large pink of a soft rose shade, loose formation. Plant growth broad, 1 to 5-angles. \$1.00

**SHOW GIRL** Bhm. 1951. Large showy one-toned pink. Broad petals with ruffled tips. Good texture. \$1.50

**STARLLA LEE** Bhm. Typical large Kaiserin, crushed raspberry in color. \$1.50

**50c each—5 for \$2.00**

**Agatha**—soft pink with rose eye.

**Corinne**—coral pink, small to medium.

**Euphrosine**—rose pink, full cup.

**Lohengrin**—large lilac-pink.

**Majesty**—many petals, wide open (B).

**Mauvette**—all season, large (A).

**Mexicanus**—watermelon-pink (D).

**Pink Nymph**—dark rose, full cup.

**Pink Pearl**—full two-toned (D).

**Rosetta**—rich rose, basket.

**Scheherazade**—light to dark magenta.

**Formerly priced up to \$1.00—Now Special 60c each or 5 for \$2.00**

Unrooted cuttings

Elata, Elysian, Eric Matthes, Eros, Piersoni, Queen's Pearls, Regent, Rose Perfection, Salmon Fonce, Wanda.

## GROUP IV—ORANGE, etc.

**ANITA FARREN** Sh. Extremely long narrow sepals and petals, yellow and orange with wide edge of Fuchsine Pink. Short ovary and tube (D). \$1.50

**AUORE BOREALE**. Giant orange-red with brilliant eye, broad petals (A). 75c

**BRUIN** Stl. Dutch Vermilion edged in violet, many good textured petals, large (C). 75c

**CALIFORNIA BEAUTY** Kado. A giant many petaled burnt-orange flower with large lustrous purple eye. Some red veining. Sepals recurved; scales deep purple. Limited. \$3.00

**CASSANDRA** Mon. Wide open, buff orange with a deep orange eye. Sepals and petals well parted and narrow. A dainty flower. \$1.00

**CHRISSY** Poin. Numerous narrow petals, sharply pointed and well parted. Burnt-orange, very large (E). \$1.00

**CLEONA** Bhm. (D). Numerous petaled. A Montezuma Sun Goddess cross. One tone of dark orange with a delicate eye of violet. Late flower. \$1.50

**COSTUME JEWELRY** Sh. Compact but very wide open. One-toned bright yellow-orange with slightly darker edge. \$2.00

**COUNTESS ESTELLE DOHENY** Kado (D). Many narrow curling sepals, bronzy-red. Narrow petals, flaring trumpet. Glowing violet eye. \$1.50

**CUP OF GOLD** Stl. Golden orange sepals and petals with light rose edge turning to near lavender at throat. Large flower, mid-season. \$1.00

**DENIS KUCERA** Cldg. Huge flower opening rather flat. Orange outer petals; inner petals with deep border of bright violet. \$1.50

**DR. VON ROEDER** Kn. Very broad petals, wide open bright orange, slight ruffle, heavy texture. Large (A). 75c

**FIRE GOD** Kado. Fiery orange-red, very firm glossy petals. Large. 75c

**FLAMENCO** Cldg. Large flower with

pointed orange petals heavily edged in violet. Opens very flat (E). The short ovary and tube and wide spreading sepals make this distinctive. \$1.00

**FRAU DR. ZIEGLER** Kn. Basically orange-red with a Delft Rose overcast. Wide open, large (A). 75c

**GOLDEN EMBLEM** Bhm. (D). Very late. Many golden petals and large deep lavender eye. Stamens fluffy and form a graceful circle of lighter lavender. A Montezuma cross. Large. \$1.50

**GOLDEN GLEAM** Stl. (D). Bright orange, hint of cerise at petal base. Graceful. \$1.00

**GO LONG** Poin. Orange marbled with carrot red. Large wide open, saucer shaped. \$1.00

**JOAN MARIE** Bhm. Very large nearly flat, burnt-orange with rose sheen, some Phlox Pink edge at petal base, very graceful. \$3.00

**KADOLIA** Bhm. Orchid edge on copper-colored petals. Sepals old rose over orange. Bronze growth. \$1.00

**KARL GIELSDORF** Kn. Light orange with some Claret Rose edge. Slender, very pointed bud. Firm texture, large (B plus). 75c

**LA COMPANA** Poin. One-toned rich Indian Orange, extremely large, heavy texture. Sepals and petals well rounded to a slight spoon. \$1.50

**LEONOTIS** Bhm. (C). Many extremely narrow sepals and petals; nearly one-toned burnt-orange with cerise edge at base of petals. \$1.00

**LODESTAR** Bhm. (B). Very large glistening orange petals in five ranks, with outward curving tips—innermost petals edged in fuchsia. \$2.00

**MADAME QUEEN** Stl. Deep burnt-orange color entire, trumpet-shaped. Large (C). 75c

**MISS BEVERLY** Bhm. Broad blunt orange petals penciled in fuchsia. Small flower. Rosetta cross. \$1.50

**MISS SANTA MONICA** Kado. (C). Coppery orange sepals and petals with slight edge of fuchsia. Petals folded back to appear pointed. \$1.00

**ORANGE NYMPH** Bhm. Medium flower, wide petals—ruffled edge. An orange-tone Pink Nymph. Very fine. \$1.00

**PARACUTIN** Bhm. Very full petaled deep orange, inner petals shaded with roseglow. \$1.50

**PARTY** Poin. Forward open trumpet of Marigold Orange with Rose Bengal eye. Sepals and petals well rounded. Flower large (C). \$1.00

**PIRATE GOLD** Stl. Long and narrow tan-colored sepals frame the darker shorter cerise edged inner petals. Erect, tall plant. \$1.00

**ROMANCE** Mon. Orange with a golden sheen and darker eye. Short ovary-tube. Large (B). 75c

**R. W. POINDEXTER** Kn. Terra-cotta salmon tinged with violet on lower half. Very large, wide open. 75c

**SAN BERNARDINO** Stl. Very large broad-petaled orange with edges of rose-opal. Petals wide-spreading pointed with slight ruffle. Late. \$1.00

**SEQUOIA** Stl. Giant orange flower with deep bright orange sepals and golden-orange petals with bright lavender edge. About 35 sepals and petals. \$1.50

**SOUTHLAND** Kado. (D). Large true orange overcast with pink. Often forty petals. Bright violet eye. Outstanding. Medium to late. \$2.00

#### 50c each—5 for \$2.00

**Amber Queen**—giant amber and red.

**Betty Lou**—Few petaled solid orange.

**Buff Beauty**—buff-orange, large.

**Camillo Schneider**—large orange-red.

**Curt Backeberg**—orange-yellow and red.

**Dante**—multi-colored orange.

**Desert Sunrise**—orange, fuchsia glow.

**Ernst Seyderhelm**—giant salmon-orange.

**Fiesta**—multicolored.

**Flamingo**—orange, cerise edge.

**STERN VON ERLAU** Kn. Sparkling orange-red flower, petals bordered in purple. Very compact. Large (B). 75c

**SUNSET** Stl. Deep rich orange with magenta edge at petal base. Large (A). 75c

**SUSQUEHANNA** Bhm. Very large glistening multicolored flower basically orange. Petals edged in Rhodamine Purple. Rolled, spikey shaped sepals deeper colored than petals. \$1.50

**TANGIERS** Bhm. 1951. Very fine. Sepal waxy yellow background with orange-red overtones. Petals light tangerine orange. Cup-shaped petals, rounded to slight spoon, no ruffle. \$2.00

**TIFFANY** Mon. Shrimp Red deepening to bronze with some fuchsia edge. Short flower stem. Large (C). 75c

**TITIAN** Stl. (E). Long narrow pointed petals—wheel effect. One tone, clean dark orange. \$1.00

**TOPAZ** Mon. Very broad sepals and petals of amber with deeper center. Cup and saucer. 75c

**TOPSY-TURVY** Stl. (E). Few narrow petals which form a wheel. Orange center stripe—wide lavender edge. Fluffy stamens. Large. \$1.00

**TROCADERO** Bhm. Giant sparkling deep burnt-orange with magenta tinge. Many firm, broad sepals and petals. \$1.50

**WURTEMBERG** Kn. Fiery orange-red, inner petals edged in purple. Large (C). 75c

**Flor del Sol**—reddish orange.

**Gloria**—salmon-orange (A).

**Margaret Ward**—large rich orange.

**Moncherie**—orange, red striped.

**Montezuma**—tan over orange, silky.

**Scintilla**—orange, sparkling, medium.

**Sunburst**—fine, orange with red eye.

**Sun Goddess**—golden orange, cerise eye.

**Tr. des Anthieux**—orange cup, red eye.

**Valencia**—rich solid orange, medium.

#### Formerly priced up to \$1.00—Now Special 60c each or 5 for \$2.00

Unrooted cuttings: Artista, Autumn, Bliss, Brahma, Lackneri, Oberst P. M. Kuhnrich, Pride of Ventura, Speciosa, Sun Beam, Sunrise.

## GROUP V—REDS, etc.

**AMULET** Bhm. (C). One of the daintiest of the small Kaiserin types—a light all over red. \$1.50

**BANNER RED** Stl. (B). Bright dark red with frilled petals. Very wide opening and large. A good keeper. Lavender stigma lobes. 75c

**BLEEDING HEART** Stl. (B). Medium sized—many smooth narrow petals. Light Signal Red, with slightly darker center stripe. Excellent keeper. \$1.00

**CARDINAL** Stl. Bright metallic Cardina Red entire. Buds very pointed and tip downward. Medium-large (B). 75c

**DARDANELLA** Mon. Blood red, opens wide with rounded petals. Medium (A). 75c

**EL INDIO**. Wide open tomato red with darker eye. Very large (A). 75c

**FLAMBEAU** Mon. All over orange-vermilion, loose formation. Medium (B). 75c

**HOLIDAY** Poin. One-toned large beautiful saucer-shaped scarlet red flower. Pointed sepals and petals, very short flower stem. Large (A). \$1.00

**IMP** Poin. Medium forward trumpet flower of an even currant red. Plant bushy and strong. 75c

**JERICO** Bhm. Late flowering, clear red. Long narrow outer sepals gracefully frame the inner cup. Medium to large. Good keeping qualities. \$1.00

**JULES SCHLUMBERGER**. Large flower. Narrow pointed blood red sepals break away and turn back early. Petals forward narrow, smooth, very rich bluish red. Flower stands alone in color and style. 75c

**JUNE KELLY** Mon. Airy medium dark red waxy flower (C). 75c

**KISMET** Bhm. Good sized tomato red Empress—typical basket plant. \$1.00

**LITES OUT** Poin. Small one-toned blood red, wide open flaring trumpet (C). \$1.50

**OTTO SIEPKE** Kn. 220. One-toned true red, compact, trumpet and saucer-shaped. Medium sized. \$1.00

**POINSETTIA**. Very wide open clear red, short flower stem (E). Distinctive flat wavy plant growth. Basket. 75c

**RUGOSA** Mon. A rich vermilion red with numerous very broad sepals and petals, sometimes ruffled. A king among the reds. 75c

**TORCHLIGHT** Bhm. Mandarin Red, cinnabarinus hybrid, similar to Rosetta in form, small to medium (C). \$1.00

**TULIP** Stl. Very splendid though not costly. Extremely broad sepals and petals of intense dark red are further enhanced by the bright red pistil and gorgeous deep purple stigma lobes, tulip-shape. 50c

**URAHNE** Kn. Many petaled Saturn Red, tapering point, wide open forward. Small and graceful (C). 75c

50c each—5 for \$2.00

**Ackermannii** hybrid—easy flowering, medium.

**Erebus**—Cinnabar-Red, large, late.

**Gen. Garibaldi**—wide open, scarlet.

**Janet**—scarlet, wheel-shaped.

**Red Kaiserin**—Delft Rose, medium.

**Scarlet Giant**—broad petals (A).

**Vive Rouge**—medium-large (E).

**Viviana**—wine-red (C).

Formerly priced up to \$1.00—Now Special 60c each or 5 for \$2.00

Unrooted cuttings

Arabian Night, Carmen, El Rey, Francois Verhaert, Red Letter.

## GROUP VI—RED, Red-Purples, etc.

**ALLEGRO** Mon. Tomato red with deeper center. Large (B). 75c

**ALTA SCOTT** (B). Deep red center line shading through vibrant purple to light edge. A very refreshing flower. \$1.00

**ARISTOCRAT** Mon. Rich deep red shading lighter towards center, touch of violet on wavy edges. 75c

**ATLAS** Stl. Large dark red with long narrow sepals and petals. Wide opening showing a suffused magenta center. \$1.00

**BANDANA** Stl. (B). Wide open deep currant red overcast with vibrant lilac blue. \$1.00

**BEAUTIE WEGENER** Kn. Fiery orange-red with purple edge. Medium (A). 75c

**BETSY ROSS** Stl. Purple border on a narrow red center stripe. Petals round and slightly spooned. Large (A). 75c

**CABOCHON** Cldg. A double decker in violet with cherry sepals. As many as 50 narrow sepals and petals. Late season. \$1.00

**CARTWHEEL** Stl. (E). Narrow pointed petals. Shiny red center stripe with strong lavender edge. Erect long orange pistil. Very flat open. \$1.00

**CATTLEYA** Kn. (B). Entrancing red-purple with glossy finish. Medium flower. 75c

**CEKA** Kn. (D). Many narrow deep red sepals. Petals red-lined blended with deep fuchsia. Late, good keeper. 75c

**CORA BELLE** Poin. Full petaled flower of intense magenta over red, some ruffle framed by long slender sepals of dark Cardinal Red. Short flower stem. Large (B). \$2.00

**DOLORES** Poin. Extremely wide petals, up to 1¾", of Tyrian Purple with dark red center stripe, slightly spooned with wavy edges. Giant (A). \$2.00

**EDAH** Cp. Currant red edged in Rhodamine Purple, sepals and petals extremely wide, innermost well ruffled, saucer shaped. \$1.50

**EDNA STODDARD** Std. Large red flower, petals banded in Rhodamine Purple edged in white. Sepals and petals very broad, heavy and spreading. \$2.00

**EL MONTE** Stl. (D). Loose ball-shaped. Dark orange-red with a purple edge shading to white. Petals blunt with deep spoon. Stunning. \$1.00

**FRANZ SCHUBERT** Kn. Dark orange-red with darker red edge and some carmine. Giant. 75c

**FRAU LIBERTA KNEBEL** Kn. Blood red sepals with lilac-carmine petals. Unusual shape. 75c

**FRIEDRICH WERNER BEUL** Kn. (B). Beautiful large wheel-shaped flower. Dark carmine sepals. Lavender to white edge all around petals. 75c

**FRUHLING** (Spring) Kn. Cross of Phyllocactus and Chia. Nelsonii. 13 sepals and petals, red with fuchsia edge. Chiapasia type but twice as large. \$1.00



JENKINSONII

**GERMANIA** Kn. (A). Many over-lapping dark red petals edged in purple, orange middle stripe. Heavy textured and crimp. 75c

**GYPSY GIRL** Poin. Flame-colored outer petals, distinct tan cast. Inner petals bronzy purple, some violet shading. A vivid and dusky combination. 75c

**HEART'S DESIRE** Bhm. 1950. Long narrow sepals with shorter broad inner petals. Scarlet red with slight purple edge. Heavy ruffle at petal tips. Sepals and petals well parted. Short ovary and tube. \$1.00

**HOFRAAT FR. BOUCHE** Kn. Blood red extended sepals with slightly ruffled petals bordered in wide purple with red tips. Giant (A). 75c

**INDOXOL** Poin. Dark fuchsia purple edge nearly to tips of red petals. Sepals dark red with lighter center stripe much narrower than petals. Large (A). \$2.00

**INFERNO** Stl. Lacquered. Dark burnt-orange with center petal edges shaded with magenta. Heavy textured. Buds are almost black. \$2.00

**KATRINKA** Bhm. 1946. Very dark blood red with purple overtones. Heavy firm textured. Small flower, excellent keeper. \$1.00

**LADY SERNER** Bhm. Very shiny lacquered flower, red with fuchsia edge fading out to white. Large (A). 75c

**LUMINOSA** Mon. Numerous sepals and petals in 3 rows, cherry red, innermost petals shorter. Luminous flower. Large. 75c

**LUSTROSA** Mon. Deep red to purple edge, purple luster over all. All petals flaring. Medium-large. 75c

**LYDIA** Bhm. Smooth petals of Signal Red with a glow of Tyrian Purple. Giant, all season bloomer (D). 75c

**MIKADO** Stl. Large flower broad blood-red sepals and petals bordered in Roseine Purple. Open cup, some ruffle. \$1.00

**MISS NANCY BELL** Bhm. Numerous petaled small dark red flower of firm texture with purple overcast. Very fine. A Kaiserin hybrid. \$1.50



CONWAY GIANT

**MOJAVE** Stl. Dark blood red bud opening to a large flower with broad sepals and petals. Inner petals ruffled, orange-red center stripe bordered with wide band of lavender. \$1.50

**MONA LISA** Mon. Smooth petaled red and violet, very short ovary-tube, numerous sepals and petals. Large (B). 75c

**PAULA KNEBEL** Kn. Dark Amaranth Red outer petals surrounded with violet-carmine inner petals with lighter edges. 75c

**PEGASUS** Cldg. Giant flower with very broad sepals and petals, red center stripe surrounded by purple, lightening towards edge. Texture smooth and silky. Very outstanding. \$2.00

**PHYLLANTHOIDES GRANDIFLORA** (B). Very large. Blended orange-red, purple and violet. 50c

**PRIDE OF SAN GABRIEL** Fields. Wide center stripe of red over deep purple lightening towards edge. Many sepals and petals form a compact wide open flower, some ruffle. Exquisite. Excellent flower of deep blended tones. \$2.50

**PRINCE CHARMING** Mon. Superb deep blood red, broad petals, innermost shorter, edged in deep violet. Large (A). 75c

**PROFUSION** Stl. Medium-large, light scarlet red. Deep eye or glow of magenta. Long season. 75c

**PURPLE DELIGHT** Poin. Red with violet-purple inner petals. Large (D). 75c

**ROYAL ANN** Bhm. Forward cup, sepals light cherry red, petals tan-pink center stripe edged in light lilac. Large. \$2.00

**SCOTT E. HASELTON** Kn. Not large but excellent in all ways. Cherry red with inner petals blending to a magenta edge. \$1.00

**SEÑORITA** Stl. Very large and broad blood red inner petals partly bordered in purple, slightest frill. Sepals petal-colored. \$1.50

**SERENADE** Mon. Medium red with prominent violet center. 75c

**SHERFY'S GLORY** Sh. Long pointed sepals and petals, mostly Fuchsia Purple with red. Forward open (C). \$2.00

**SLEEPY HOLLOW** Stl. (C). Giant narrow-petaled currant red. Prominent dark purple border clear to tips. Very wide open though not flat. \$1.00

**TARANTULA** Stl. Unusual long narrow rolled spiky sepals. Center petals much shorter, flaring bell. Orange-red center stripe bordered with Cardinal Red lavender-purple on inner petals. \$2.00

**THORINNE** Mon. Very large full petaled wide open funnel-shaped, red outer with Fuchsine Purple petals lightening towards the edge. Very late. \$1.00

**THUNDER CLOUD** Poin. Darkest of reds giving impression of purple. Broad center petals. \$1.00

**THURSDAY** Poin. Silky textured wide open flower. Purple petals with narrow blood red center stripe. Short flower stem. \$1.00

**TIPPERARY** Mon. Tannish-red with Geranium Lake edge. Large. 75c

**TREASURE CHEST** Stl. (B). Very narrow extremely pointed sepals and petals. Deep Orient Red base with prominent dark purple border. \$1.00

**VIOLETTA** Mon. Garnet red, violet center lighter edge. 75c



THORINNE

50c each—5 for \$2.00

**Conway Giant**—rich purple-red.

**F. Boedecker**—red and violet.

**Hans Rehm**—shiny red-orange.

**Hermosissimus**—old favorite.

**Imperator**—reddish purple.

**Jenkinsonii**—15 to 18 petals.

**Kermesinus Magnus**—fine large.

**Loyola**—orange-purple, large.

**Marseillaise**—three-toned.

**Mons. Reviere**—(A), large.

**Peacocki**—(B). Violet-cerise.

**Wm. de Laet**—medium (C).

Formerly priced up to \$1.00—Now Special 60c each or 5 for \$2.00

Unrooted cuttings

Belgian Pfau, Dr. Houghton, Etoile de Contiche, Francheski, Gamut, Garnet, Gloriele, Heliocereus speciosus, Hermosus, Lange Beauty, Livingston, Mons. Joli-bois, Neon, Niobe, Orion, Purple Flame, Repertoire, Siegfried, Walter Haage, Jr.

## GROUP VII—Difficult to Classify

**AMOUR** Mon. Peach-color with red eye and darker center stripe. Broad semi-pointed petals, wide open. Large. 75c

**APOLLO** Stl. Very large extremely broad sepals and petals. Burnt-orange with darker reddish tips; inner petals edged with lilac. \$2.00

**AZTEC** Stl. (Formerly Apache) (C). Multi-colored flower of orange, purple and red. Narrow pointed petals of assorted lengths having a deep band of purple. \$1.50

**BARONESS MARIE LOUISE** Mon. Large apricot to orange with a darker base, broad rounding petals. Very compact (B). 75c

**BELLE BRIGGS** Dly. China Rose sepals with Rhodamine Pink petals. Both sepals and petals are loose, wide open. Sepals turn back. Large (D). \$2.00

**DAWN GLOW** Kado. (B). Coloration of suffused old rose exactly like Latona. Small wide open flower, few petals. Heavy bloomer. \$1.00

**ENCHANTRESS** Poin. Marvelous burnt-orange-apricot of unusual grace and charm. \$1.00



MONTEZUMA

**FASAN.** Orange petals bordered with light lavender almost to tip. Backed with deep red and amber sepals. Giant (A). 75c

**FEDALA** Bhm. (B). Well-rounded broad sepals of deep orange-red. Petals very wide, smooth, broad, heavy texture. Slight trace of lilac at base. \$1.00

**GOLDIE** Dly. Known also as Mrs. Goldie Fields. Extra long narrow sepals and petals of an all over lavender or Empire Rose center stripe of Chinese Coral. Sepals and petals well parted. Distinct. Large (D). \$2.00

**HAWAII** Stl. (C). Pointed buff-orange sepals with many light buff-orange petals having a darker stripe and orange eye overlaid with rose. \$1.00

**HERO** Stl. (F). An outstanding introduction. Classed with Pride of Paloma. Limited. \$2.00

**HEUREKA** (formerly Mussolini) Kn. Many petaled Fuchsia Pink, sepals lighter than petals. All petals are narrow and quilled filling entire throat of flower. Novelty flower. Medium. \$2.00

**INDIAN SUMMER** Stl. (D). Curled, troughed sepals. Deep orange over red petals with cerise eye. Open cup. Very late bloomer. Exquisite. \$1.50

**IRISH FIREFLAME** Bhm. (C). Flame-colored red, straw-toned center stripe, hint of purple. Smooth, firm, narrow sepals and petals. Limited. \$1.50

**JOHANNA ATTENHOFER** Kn. Shining orange with bronze glitter. Large (A plus). 75c

**JULIET** Stl. (A). Pointed petals with buff center stripe and light lavender to white edge. \$1.50

**KATHIE** Bhm. 1950. Pinkish orange sepals. Petals with pinkish orange center stripe edged in lavender. Very innermost petals banded and suffused with lavender. \$1.50

**LOVE AFFAIR** Cldg. Free flowering, light persimmon lightly margined in violet, narrow petals. \$1.00

**MELROSE** Mon. Slender tan sepals; broad beige-rose petals with lavender to silver edge. \$1.00

**MERRY WIDOW** Stl. (B). Flesh-tan outer petals. Rosy tan inner petals overlaid with brilliant cerise lilac. Symmetrical flower, circle of stamens. \$1.50

**NAVAJO** Stl. (B). Broad blunt dark orange sepals with much shorter inner petals completely bordered in purple. \$1.00

**NELLIE** Poin. Delft Rose with nearly white center. Large, open ball. 75c

**NIGHTINGALE** Mon. One-toned rose-red, sometimes variable. Overlapping trumpet. Large (B). 75c

**PERLEBERG** Bhm. Very difficult to describe. The many narrow sepals and petals have tan-pink tips becoming lavender in the center, fading to almost white throat. \$1.50

**PFAU** (Callender). Very large chamois-pink varying to all lavender at times. Very dark bud. 75c

**PRIDE OF PALOMA** Bhm. (F). Must be seen to be appreciated. Unusual color and shape. Azalea Pink over Chinese Coral with a petal edge of Phlox Pink. Limited. \$2.00

**RICHARD DIENER** Mon. Crepy petals, deep apricot edge, cerise ring in center. Sepals orange with a tinge of violet. \$1.00



MISS SANTA MONICA

**ROMANY** Stl. (D). Dusky rose pink with buff; large lavender-rose eye. \$1.50

**ROMEO** Stl. (A). Pointed petals and dark rose to light lavender edge. Self-colored stamens. \$1.50

**ROSE ANNA** Poin. Blend of Rose Opal and Solferino Purple. Typical Rosetta opening but much larger. Large (C). \$1.50

**ROYAL ROBE** Cldg. Extremely large, very few broad sepals and petals, heavily suffled or crimped. Sepals cherry-purple, petals lilac over pink with definite white star eye. \$2.00

**ROYAL ROSE** Mon. Rose-buff with a base of deep lilac blending to a silvery edge. Broad petals, slender narrow sepals. Unusual coloring. \$1.00

**SACHSENLAND** Kn. Salmon or apricot orange with lighter orange centerstripe, large cerise eye. Heavy textured. Giant (C). 75c

**SAMITE** Mon. Extra fine. Coral center stripe shading to deeper coral on edges. Open flat, full broad petals, wavy edges; long slender back petals are deep coral. All petals curve gracefully. 75c

**SPLENDOR** Mon. Carmine-rose to cerise center. Short ovary-tube. Wide open (B). Large. 75c

**SUSAN MARIE** Bhm. Very few broad nearly blunt petals of Begonia Pink veined with Coral Pink, lighter at the throat. Large open ball shape. \$2.00

**SYLVIAROSA** Mon. Buff-rose with deep lilac to silvery edge at the base. May vary. 75c

**TAHOE** Stl. Outstanding in shape and color, inner petals numerous and quite short in shades of Roseine Purple; outer petals deep old rose. \$1.50

50c each—5 for \$2.00

**Carmel**—rose-salmon to copper.

**Cleopatra**—dusky tannish-rose.

**Frau Hanne Lohse**—multi-colored.

**Inner Glow**—salmon-red, variable.

**Latona**—suffused old rose.

**Loebneri**—Roseine Purple.

**Mimi**—small, red-violet.

**Sacuntala**—orange-buff.

**Symphony**—blended (D).

## GROUP VIII—PURPLES, etc.

**ANTON GUNTHER** Kn. (C). Several shades of purple—a color designated as carmine by Knebel. Very lovely. \$1.50

**AUGUSTA VON SZOMBATHY** Kn. Red-orange sepals with pale silver-lavender inner petals. Free flowering. Medium (C). 75c

**BAMBI** Mon. (D). Nearly all purple large Deutsche Kaiserin, exquisitely formed. \$1.00

**BIZERTE** Cldg. Large deep purple, edged lighter. Huge narrow petaled flower with lavender-white inner petals and violet outer petals. Sepals bronze-violet. Very spectacular. \$2.00

**BLACKAMORE** Poin. A heavy textured flower of dark Peony Purple with extra broad slightly cupped petals backed with Cardinal Red sepals forming a forward open ball—one of the best of the dark purple flowers. \$2.00

**BUENOS NOCHES** Stl. Graceful flower in rich shades of Rhodamine Purple. Limited. \$1.50

**CHAUNCEY** Std. Very large Peony Purple heavy textured flower, broad ruffled petals with light edge backed with very broad red sepals. Very fine. \$2.00

**CONCORD** Stl. Very few broad sepals and petals, overall Concord grape-color, fading to a light edge. Limited. \$1.50

**DR. WERDERMANN** Kn. A strong bold flower, all petals forward but well open, a rich Roseine Purple with an orange center stripe and a light orchid edge. \$1.00

**ELEONORA PROCHASKA** Kn. Narrow sepals and petals, purple to white edge with red sepals. Large (D). 75c

**ELKHART** Bhm. Rich plum with light orchid edge. Wide open cup. Broad blunt sepals and petals. Very fine. \$2.00

**FRAU H. M. WEGENER** Kn. Red-orange sepals to very delicate Fuchsia Pink petals, lighter in throat. Large (C). 75c

**FRAU MARTHA SIEPKE** Kn. (C). Even toned Roseine Purple. Limited. \$1.00



CHAUNCEY

**FRAU STANKA STOZIER** Kn. Broad smooth petals of carmine with lighter edge and darker sepals. Large (C). 75c

**GERTRUDE W. BEAHM** Kn. (B). Wide ruffled inner petals Rhodamine Purple intensified by richly colored pistil and stamens. \$1.50

**HARMONY** Stl. (C). Exquisite orchid colorings which deepen with age to one tone. Tapering pointed petals standing well apart. Jewel-like effect. Water lily shape. Really distinct. \$1.50

**JACQUES COURANT.** Petals wide purple edge backed with deep red sepals. Medium-large (E). 75c

**JORG SIEPKE** Kn. Outer sepals deep lilac-lavender with shorter light Persian Rose petals. Large (C). 75c

**JOSEPH DE LAET** (C). The old favorite "Tri-toned Orchid." Dark orchid sepals blending to white petals. 50c

**LILACTIME** Mon. Fascinating slender buds with extremely long needle tips. One-toned, blue-lilac flower delicately ruffled. Extremely late. \$1.00

**LUCILE K. IRWIN** Kn. Rich red and purple, cup and saucer. Large (E). \$1.00

**MINUET** Stl. (D). Very narrow sepals and petals forming a graceful airy flower of varying tones of Roseine Purple. Limited. \$2.00

**ORCHID SUPREME** Stl. (A). Extremely wide crimply blunt petals. Shading from deep orchid to very light center. Large. \$1.00

**PARADISE** Stl. Wide opening—almost flat. Recurved old rose sepals. Petals lavender-orchid with faintly darker center stripes. All delicate pastel tones, deepening with age. \$2.00

**PRIDE OF BELL** (F). Three shades of rose-orchid, transparent edges. Sepals recurved. Petals fold way back leaving stamens erect. Limited. \$2.00

**PROF. EBERT** Kn. Almost one-toned Fuchsia Purple with numerous sepals and petals. Strong grower. Large (B). 75c

**QUEEN KATHERINE** Bhm. (D). A nearly one-toned Roseine Purple slightly deeper at throat. \$1.00

**SHERMAN E. BEAHM** Kn. (as re-named by Curt Knebel). (A). Giant flower with dark carmine-colored outer petals and a wreath of lilac-carmine-red inner petals with lighter edge. \$1.50

**TRANSVAAL** Stl. Released at last. Flesh-pink completely overlaid with Roseine Purple deepening at throat. Flat open, long slender smooth pointed sepals and petals. Limited. \$2.00

**TRIUMPH DE ENTWERD.** Numerous sepals and petals, deep red outer. Inner deep red stripe with wide purple edge giving an impression of over-all purple. Smooth rounded petals. Large (E). 75c

**UNCLE SAM** Stl. Distinct striped effect.



GERTRUDE W. BEAHM

Brownish orange through purple to orchid-white edge. Broad inner petals; long narrow striped sepals. Very wide open. \$2.00

**WHIRLAWAY** Bhm. Airy flower with a trumpet of ruffled petals in three shades of orchid. Narrow sepals gracefully curl back. This flower has the colorations of Joseph de Laet but the style of Jules Schlumberger. \$2.00

**WILL ROGERS** Cp. Bright purple with dark red, cup and saucer. Large (D). \$1.00

**WONDERLAND** Stl. (D). White center blending towards deep colored Rhodamine Purple tips. Extraordinary. Very limited. \$3.00

\* \* \*

Prices quoted in GROUPS I through VIII are for 6" to 8" or larger cuttings which are usually rooted.

MEDIUM PLANTS have one or more matured branches and are approximately THREE TIMES the price quoted for cuttings.

PLANTS IN BUD when available in the spring are shipped in containers express collect \$3.00 and up according to size and variety.

The assortments of 50c varieties 5 for \$2.00 and the 75c varieties 5 for \$3.00 found in the different color groups means that you may select the 5 from any of the color groups.

## CULTURE OF EPIPHYLLUMS

Epiphyllums prefer filtered light, that is, conditions suitable for ordinary ferns or begonias but must not have excessive moisture at their roots. They can withstand cold a degree or two below freezing.

Remember their culture is simple but entirely distinct from that of the desert cacti. Lack of this knowledge may have caused many failures by those who tried to treat them as ordinary cactus.

A good POTTING SOIL formula is one-half well decomposed leafmold with the other half made up of equal parts of coarse gravel, garden loam and well rotted steer manure with a small amount of bone meal (about the equivalent of a teaspoonful for each four-inch pot). This mixture can be made up and kept ready for use.

There are many SOIL FORMULAS, all may be good but they must have a few things in common—for one thing—excess water should drain away fairly rapidly leaving the roots to grow in only a moist mixture. Remember the epiphyllum hybrids receive part of their inheritance from an epiphytic type of cactus which lives in trees with roots having free access to moist air so they should not be smothered in a compact soil.

Oak-leafmold partially decomposed is excellent but so is the humus you often make in your compost heap from leaves, grass trimmings and other vegetation. Such material should never be finely screened. The roots are capable of selecting their own food from coarse material. Our experience is to avoid, in your mixture, all materials or fertilizers with a very high nitrogen content such as blood-meal. There are many milder items to use in your potting-mix such as slow-acting bone-meal, well cured steer manure—sheep or rabbit manure. Chicken manure is far too rich in nitrogen unless it has been composted down with other materials.

BROKEN BITS of clay pots or porous bricks—sponge rock—and crushed rock helps to aerate the potting mix.

When you receive ROOTED CUTTINGS plant them in SLIGHTLY MOIST potting soil then withhold water for several days. This applies whenever roots have been disturbed as some roots may have become broken and might start to rot if watered too soon.

When potting allow an inch or more room between the soil line and the top of the container. This will permit the addition of a little fresh potting mixture or light fertilizer each year without having to repot thus not disturbing the roots nor yet getting the pot too full to permit proper watering.

UNROOTED CUTTINGS should be planted

to the depth of one inch or more in SLIGHTLY moist peat and sand, half and half. Keep in a shady place, if possible, in a moist atmosphere. Start light watering after the third week. The cuttings may remain for as long as a year in the peat and sand without injury. But in any case don't disturb for the first 6 months. They do not require excessive root feeding.

Avoid repotting while in bud.

Epiphyllum Hybrids (Phyllocactus) fill a definite need in all plant collections. Many make wonderful hanging baskets, others can be trained in an espalier effect while still others are best as simple pot plants. See recommendations elsewhere.

## DON'T

DON'T repot epiphyllums when they are in bud or bloom.

DON'T sift potting soil for Epiphyllum—leave it so coarse it can never pack.

DON'T water until one week has elapsed after transplanting.

DON'T allow your Epiphyllums to remain bone dry for weeks at a time. At least spray the foliage.

DON'T allow them to stay soaking wet for weeks at a time.

DON'T neglect to use rain water when available as this helps to leach out excess alkalies from the soil.

DON'T force your plants with fertilizers too high in nitrogen. It tends to produce growth instead of flowers (and may cause spotting on foliage). Let the growth come naturally.

DON'T imagine that a rank-growing luscious plant must produce superior flowers.

DON'T use too large a container—Epiphyllums do not have as heavy a root system as most plants, they obtain much of their food from the air.

DON'T try to discourage new growth in the (early) fall—it is their normal growing season.

DON'T worry about frost damage if temperature stays above 30 degrees except on species such as *E. oxypetalum* and *E. strictum*.

DON'T disbud—the benefits obtained are not worth it.

DON'T worry when some of the quarter-grown buds drop off—nature will permit only those buds to mature that the plant can support.

DON'T believe that allowing the fruit to develop, in moderate quantity, will kill or damage your plant.

DON'T think that to soak a plant which has become leathery or wrinkled is the proper

thing to do. It may need to be transplanted and placed in a cool spot for some months with only the slightest spraying through the foliage. You will probably find that most of the roots have rotted off earlier and it will take time for the plant to make new ones.

DON'T allow aphid, scale or mealybug to sap the vitality of your buds and plants.

DON'T neglect your Epiphyllums when not in bloom—they can stand some neglect but they appreciate attention and will reward you when they are kept nicely groomed.

DON'T forget to see that hanging baskets get sufficient water.

DON'T remove more than 1/5 of the growth of an Epiphyllum plant at one time or 1/4 of the plant during the year.

DON'T experiment on your plants until after you have raised Epiphyllums awhile.

DON'T forget to read the instructions on the labels of insecticides and fertilizers before using.

DON'T neglect to re-read the above from time to time.

### RECOMMENDATIONS

No doubt many, many names might be added to the following lists, however, we feel that in making a good choice these names are sufficient for those not too familiar with Epiphyllums. Priced elsewhere, see index.

FOR BASKETS: Ballerina, Bambi, Cartwheel, Dardanella, Deutsche Kaiserin, Joyce, Kaiserin Import, Miss Muffet, Miss Nancy Bell, Red Kaiserin, Rosetta, Star Dust, Starlla Lee, Treasure Chest, Whirlaway, Wm. de Laet.

FOR PEDESTALS: The following make good baskets but eventually grow so large they are better if supported by a pedestal. Ackermannii hybrid, Amber Queen, CeKa, Conway Giant, Euphrosine, Flamingo, Friedrich Werner Beul, Latona, Lila, Marseillaise, Phyllanthoides Grandiflora, Prof. Ebert, Regina del Chiaro, Sun Goddess.

FOR ESPALLIER. All are rank growers when once established (and properly fertilized): Agatha, Argus, Bagdad, Carnation, Crenatum, Duchess of Windsor, Fiesta, Frau Poldi Cvetnic, Harmony, Hermosissimus, Lydia, Mauvette, Mimi, Miss Santa Monica, Oxypetalum, Padre, Royal Robe, Stenoptalum, Welcome.

FOR LIMITED SPACE. Compact plants which will flower in small containers: Ballet Russe, Bambi, Deutsche Kaiserin, Eleonora Prochaska, Flambeau, Gaylee, June Kelly, Luminosa, Neon, Pseudorhipsalis macrantha; Scott E. Haselton, Sunburst, Tulip, Urahne, and most of the Knebel cinnabarinus hybrids.

FOR CORSAGE: Ackermannii hybrid, Albino, Amulet, Cassandra, Dardanella, Deutsche Kaiserin (Empress), Gay Senorita, June Kelly,

Mimi, Paradise, Pride of Bell, Rosetta.

EARLY BLOOMING: Ackermannii hybrid, Agatha, Augusta von Szombathy, Gloria, Harmony, Hermosissimus, June Kelly, Latona, Mt. Hood, Nellie Cantwell, Otto Siepke, Thunder Cloud.

LATE BLOOMING: Amber Queen, Betty Lou, Buff Beauty, Cabochon, Cattleya, CeKa, Charles Larkin, Cooperii, Gertrude W. Beahm, Jenkinsonii, Jules Schlumberger, Lilactime, Montezuma, Pfau (Callender's), Thorinne, Valencia, Vela, Yellow Violet, Oxypetalum and most species.

OUT OF SEASON: Varieties which often send flowers at odd times throughout the year, i.e. early fall and through later winter: Mauvette, Baroness Marie Louise, Poinsettia, Lydia, Padre, Deutsche Kaiserin, and the Knebel cinnabarinus hybrids such as Ernst Gundchen and Jos. Terhaag.

VARIETIES FOR A MODEST COLLECTION: Ackermannii hybrid, Agatha, Amber Queen, Argus, Augusta von Szombathy, CeKa, Celestine, Conway Giant, Dante, Deutsche Kaiserin, Eden, Flamingo, Gloria, Mauvette, Mexicanus, Moonrise, Padre, Peacocki, Phyllanthoides Grandiflora Polar Bear, Rosetta, Rugosa, Samite, Sun Goddess, Thunder Cloud, Tulip, Prof. Ebert

### NIGHT BLOOMING CACTUS

There are many hundreds of forms of night-blooming cactus from the rugged desert types to those which can be found among the epiphyllums. Any of these might be called by the public "Night-blooming Cereus." A notable example is the so-called "Queen of the Night" which might be *Peniocereus greggii*, *Selenicereus macdonaldiae* or *Epiphyllum oxypetalum*.

Among the sturdier varieties of night-bloomers are the following most of which are climbers: *Selenicereus*, *Hylocereus*, *Harrisia*, *Nyctocereus*, *Eriocereus*.

We can supply unrooted cuttings of the following at 50c each or 5 for \$2.00: *Hylocereus undatus*, *Hylo. ocamponis*, *Selenicereus macdonaldiae*, *Seleni. spinulosus*, *Seleni. vagans*, *Seleni. rostratus*, *Eriocereus bonplandi*, *Eriocereus guelichii*, *Nyctocereus nycticalus*, *Nyctocereus serpentinus*, *Harrisia tortuosa*, *Harrisia martinii*, *Harrisia pomanensis*.

Among the night-blooming varieties of epiphyllums are: *E. oxypetalum*, *E. guatemalense*, *E. strictum*, *E. anguliger*, *E. darrahii*, *E. stenoptalum*. Most of these and others will be found listed and priced in Group I.

\* \* \*

Prices quoted in GROUPS I through VIII are for 6" to 8" or larger cuttings which are usually rooted.

**ZYGOCACTUS**

(Link-leaf or Crab)

This form of cactus may still be found under the name of *EPIPHYLLUM* in older publications and in Europe and in a like manner the *EPIPHYLLUM* HYBRIDS will be found under the name of *PHYLLOCACTUS*, terms by which they were called from the early 1800's until changed fairly recently. The term *ZYGOCACTUS* came into general use just before the turn of the century.

The term "Zygo" is from the Greek word meaning yoke. This genus is a native of South America. Most forms branch well from the base, some becoming bushy with a woody trunk, others arch outward with a distinct chain effect giving rise to the name of Link-leaf or Yoke-cactus. Many links are obovate (egg-shaped with narrow end downward) with horns at the blunt apex which gives rise to the terms Claw-cactus or Crab-cactus.

**ZYGOCACTUS DELICATUM**

In the true *zygocactus* species (not necessarily in its hybrids) the flowers have a distinct shape from most other epiphytic cactus. Before opening the bud is pointed forward. On opening the uppermost petals are overlapped and tipped forward in a hood or roof effect with the stamens and anthers clinging to the top; the lower petals are spreading and bent back against the tube. In general, the effect is that of an upside-down flower. They are *zygomorphic*, that is divisible into two symmetrical halves from one direction only. They may be

found in a number of colors including so-called white (very, very faint glow of pink after first day). They are excellent corsage material. The beautiful flowers are borne at the apex of the stems and are solitary, rarely two or three. The ovary is smooth and pear-shaped and scaleless except in some recent hybrids.

Approximately 75 forms of Link-leaf cactus have been mentioned in publications during the past century (but not in detail. Apparently only a very few of these are species (wild forms) such as *Zygocactus truncatus*, *Schlumbergera Gaertneri*, etc., which are found in the Western Hemisphere. Many of these have now been lost, possibly some may still be found in private collections but with little or no data concerning their history or assurance that the label is correct.

We are checking all of these that we can find. We have quite a number of varieties under observation at present but not all will prove enough different in growth or flower to merit the consideration of the general public. As fast as we can secure sufficient propagation of a variety and its identity is established we will release it to our customers.

Available Varieties of **ZYGOCACTUS**  
**TRUNCATUS**

**BICOLOR** (Thanksgiving). Tube is white with slight purple lines. Petal edges and tips deep rose. Flowering October to November. Plant links have 2 or 3 claws at apex. Rooted cuttings 50c. Plants \$1.00

**DELICATUM**. Limited. Flower white with glow of pink on petal edges after the first day. Pistil—magenta. Plant leaves small and slender with well placed horns on apex. Small rooted cuttings \$1.00.

**SALMONEUM**. Petals are one shade of salmon pink with very little white in the tube of flower. Flowers as late as January. Rooted cuttings 75c.

**MME. FOURNIER**. Plant growth broad with large hooks on the edge and at the apex. Flowers slightly larger than *Salmoneum* and deep in color—more of a rose shade. When available rooted cuttings 75c.

Small cuttings only when available.

No. 750—Brick red, white center. \$1.00

No. 752—Zygomorphic, Scarlet Red. \$1.00

No. 756—Pink-cerise and white. \$1.00

**AMELIA MANDA**—not released.

**GERTRUDE W. BEAHM**—large red. \$1.00

**LLEWELLYN**—orange. \$1.00

**PARNA**—not released.

**SOUTH ORANGE**—orange. \$1.00

**W. A. MANDA**—large red. \$1.50

### ZYGOCACTUS CULTURE

Culture is not difficult. A very porous soil that drains well and yet remains moist and loose—NOT SODDEN—is best. The Zygocactus need an airy moist atmosphere for best results. Their normal food is derived from decayed leaves and bark accumulated in the crotches of the trees, or in crevices of large rocks under the trees in which they have become established. In making an artificial duplication of this condition we use a POTTING SOIL rich in humus and leafmold. During the hottest months set the zygus aside in a cool place—water sparingly. Water oftener in the fall while buds are forming. As a special treat to these plants soak one pound of cottonseed meal in five gallons of water for 24 to 36 hours or longer. Strain well and use as a foliage spray. It need not be washed off as it is beneficial to both plant and soil. This may be used two or three times a year and has a slight acid re-action.

The Zygocactus is susceptible to scale and care should be taken to examine the undersides of the links regularly especially around the joints. At the first sign of any infestation a mild oil spray should be used. Your dealer will recommend a suitable one. Spray only on cool or cloudy days; the plants may be hosed off after 24 hours; repeat in two weeks if necessary.

When you receive a rooted Zygocactus, it should be soaked in tepid water for an hour or so on arrival, to make the roots pliable before planting. When you receive an unrooted cutting remember roots form only at the joints so be sure there is an undamaged joint just below the soil line. If you want to experiment try vitamin B1 or one of the hormones. These plants need no trellis except for grafts on tall standards. These should be supported as their tops increase in size and weight. A framework bound in moss stimulating an umbrella can be used.

Grafted Zygus are rather difficult to ship but sometimes it is impossible to obtain a plant on its own roots. If you have received a grafted one it is wise to use soil and other conditions suitable to the growth of the base or root-stock.

### CHRISTMAS CACTUS

The plant usually distributed under the term Christmas Cactus may flower as early as November or as late as March or even in late summer. Its true identity is still in question. It does not have a zygomorphic flower. It has small regular flowers of fuchsia-pink which have a short tube and a 4 to 5 ridged ovary with large scales. The flowers sometimes are slightly hooded the first day with the petals opening wide on the second day. The tips of plant joints are blunt, sometimes with hairs, but with no noticeable claws. The Christmas

Cactus frequently loses a portion of its younger joints which are replaced by new growth while the joints which have dropped may take root at the base of the plant under certain circumstances. Priced 35c to \$1.50.

The Schlumbergera is very similar to the Zygocactus in plant growth and culture except that the flowers are symmetrical and have narrower petals on very short flower tube. Flowers close at night but are open for several days in succession. Most of them appear at Easter time thus giving rise to the name Easter cactus. We can supply Schlumbergeras only as available.

SCHL. RUSSELLIANA (see Christmas Cactus) is thought by many to be the true Christmas Cactus flowering from December through March and differing somewhat from the Easter Cactus, Schlumbergera Gaertneri.

SCHL. GAERTNERI. Flowers of bright crimson. The plant may have long soft spines at the apex of the links. Joints are not as large as in Makoyanum. Limited. Rooted cuttings 75c each.

SCHL. MAKOYANUM. Large links with 6 to 8 areoles along the side edges; soft spines are wanting or are usually not readily visible at the apex. Flowers are a cardinal shade of red. Limited. Rooted cuttings 75c each.

SCHLUMBERGERA seedlings—are closely similar to parent. Rooted cuttings 75c.



SCHLUMBERGERA GAERTNERI

**RHIPSALIS**

Those interested in other forms of epiphytic plants should certainly acquire a few *Rhipsalis*. They make graceful baskets. Cultural requirement is the same as for *Epiphyllums*. Flowers range in size from a grain of rice to one-inch or more in diameter. They are mostly white though there are rich creams and orange flowered sorts. They make a nice showing when in full bloom as the flowers are usually numerous.

Plant growth may be fine thread-like as in *Capilliformis* and *Cassutha* or larger pencil-like branches of *Neves-Armondii* on to very broad wavy foliage such as *Oblonga* and *Crispata* which are similar in growth to *epiphyllums* rarely any semblance of a spine. We have about 40 varieties variously priced from 50c to \$1.00 unrooted.

The following range from fine pencil-like to broad flat growth and are listed in that order. Unrooted cuttings 50c each or 5—all different—for \$2.00

*Cereuscula*  
*Clavata*  
*Capilliformis*  
*Cassutha*  
*Virgata*  
*Shaferi*  
*Teres*

*Neves-Armondii*  
*Houlletiana*  
*Heteroclada*  
*Rhombea*  
*Elliptica*  
*Oblonga*  
*Crispata*



RHIPSALIS PACHYPTERA

**EPIPHYLLANTHUS OBTUSANGULUS**

This is an interesting form of jointed or link-leaf cactus. A normal plant has the appearance of a miniature *Opuntia* with thickened tiny pads or joints and zygomorphic flowers. Difficult to raise but might make an interesting point at which to attempt crosses with *zygocactus*. Our stock is limited. If interested write.

**DISOCACTUS**

**EICHLAMII.** Epiphytic plant with small slender tubular flowers of bright rosy magenta—not of easy culture. Plant branches are long, narrow and flattened. Limited. Small rooted cuttings \$1.00.

**MIXED EPIPHYLLUM SEED**

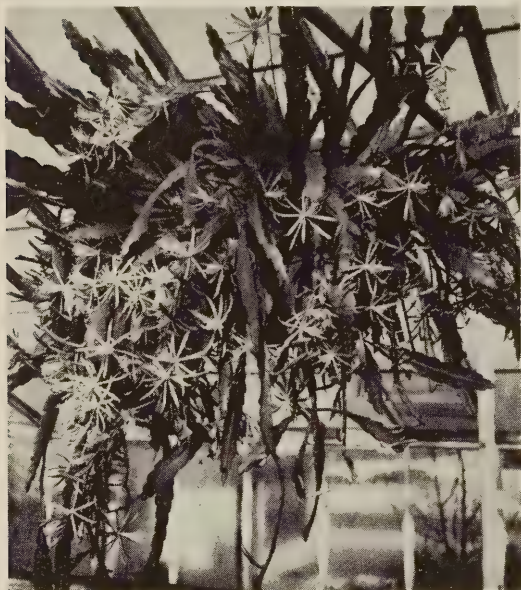
from our choicest hybrid varieties—  
 instructions included—25c per packet.



RHIPSALIS WARMINGIANA

**PSEUDORHIPHALIS MACRANTHA**

This lovely plant has flowers many times larger than most Rhipsalis, in fact, the few-petaled flowers are about the size of Chiapasias Nelsonii. Flowers are generally light yellow sometimes very deep yellow, blooming freely in the fall and winter. Plant growth resembles many of the Epiphyllums. It makes an excellent hanging basket or pot plant. Rooted cuttings \$1.00 each.

**PSEUDORHIPHALIS MACRANTHA****CHIAPASIA**

**CHIAPASIA NELSONII.** A monotypic genus with lilac-pink flowers appearing on the lateral branches. The flowers are small though very attractive. It blooms very early in the spring. As a graceful basket plant it is greatly admired the year around. Rooted cuttings 50c. Strong young plants \$1.00.

The Chiapasias has been crossed with the Epiphyllum producing plants with small flowers of various shapes and color. We are propagating Mr. Knebel's introductions.

In our gardens each plant carries its own identification number. Our new originations are registered with the EPIPHYLLUM SOCIETY OF AMERICA. The Society issues a mimeographed Bulletin several times a year to its members. This Bulletin is devoted to all phases of the epiphytic cactus and carries reports of the Society's meetings which are held in Los Angeles County. Membership is by

invitation—dues are \$2.00 per year. If interested in joining please write us.

Membership in the Cactus & Succulent Society of America with subscription to the Cactus & Succulent Journal is \$3.00 per year. We will be glad to place a subscription for you.

"Flower Color Detector" (chart) published by the American Horticultural Council, \$1.00 each. This brief chart will prove of great assistance in enabling you to describe your epiphyllums correctly.

"THE EPIPHYLLUM HANDBOOK" by Scott E. Haselton—\$3.85 postpaid. Contains 231 pages and many illustrations.

"PHYLLOCACTUS" by Curt Knebel, translated from the German, paper covers, 64 pages. Very instructive, \$1.50 postpaid.

The "Horticultural Colour Chart," issued by The British Colour Council in collaboration with The Royal Horticultural Society is published in two volumes of 100 sheets each. The first volume of 100 plates consists of a Spectrum Range of 64 Full Hues, 26 (lighter) Tints and 10 (darker) Shades of the 64 Full Hues. The second volume contains 100 plates consisting of 34 (lighter) Tints, 28 (darker) Shades and 38 Greyed Hues of the original 64 Full Hues. The British Colour Council expects to issue further volumes which will extend the range of shades and tints of the same 64 Full Hues. 2 Volume Set priced \$12.50.

**APOROCACTUS FLAGELLIFORMIS**



APOROCACTUS HYBRID

**APOROCACTUS****Species and Hybrids**

This variety is often called Rat-tail or Whip cactus. The species having from 8 to 15 ribs, finger size or slightly larger, closely spined, willowy, making a suitable subject for baskets. The hybrids will have narrow, flat or up to 6 to 8 angles with the same willowy or pendant habit, spines not so numerous. Soil should be well drained and same quality as for zygos, epiphyllums, etc., though it need not be so rich. They should have warmth and some sun.

*Aporocactus flagelliformis*—flower crimson, open several days, 8 to 10 low ribs, creeping or pendant, branching from the base. R. C. 50c

*Aporocactus flagriformis*—under propagation.

*Aporocactus conzatti*—brick-red, 8 to 10 prominent ribs. R. C. 75c

*Aporocactus leptophis*—flower color Fuchsia Pink, somewhat zygomorphic, growth pend-

ent, 11 ribs, typical of most Rat-tails. Cuts \$1.00

*Aporocactus flagelliformis* var. *mallisonii*—rose-red, creeping, 6 ribs. (Giant Rat-tail.) Cuts 75c

*Aporocactus martianus*—brownish-old rose, numerous ribs set with close areoles and short spine. Spine cushions brush off easily. Cuts \$1.00

**APOROCACTUS HYBRIDS**

A fascinating group of new hybrids developed by Chauncey Stoddard through a series of crosses. Plants make ideal baskets, needing some sun. Plant growth is from flat to as many as 6 or more angles, pendent branching habit with some spines, free flowering. Only unrooted cuttings of 4- to 6-inches available at present—priced \$1.00 each. Only one of a kind to a customer and then only while limited quantities last. In ordering give both name and number.

No. 4 EDNA BELLOMY—Orange-Pink sepals and petals with slight purple touches at base. Short heavy ovary and tube. Plant growth 4- to 5-angles, very slender.

No. 5 A. R. RIDEOUT—Very short ovary and tube with much longer sepals and petals of Chinese Coral. Plant growth very slender with 4- to 5-angles.

No. 25 JESSIE GILBERT—full petaled flower—Shrimp Red with gold stripe, darker sepals. Long white style. Plant growth mostly 4-angled, notched areoles with spine.

No. 35 MYNA CORBET—Gold center stripe edged in Delft Rose, full petaled. Heavy short spiny ovary-tube. Flower much larger than average. Plant growth mostly 4- to 5-angled, nearly spineless.

No. 36 C. A. STODDARD—Fire-Red with pinkish orange stripe. Very long cerise-purple style. Plant growth slender, 4- to 5-angles.

No. 402 LYDIA HARRINGTON—Azalea Pink with deep red slender style, fluted sepals and petals. Short, heavy ovary tube, spiny. Growth mostly 4-angled.

No. 403 FRANCES COMBS—Scarlet flowers with red style. Very short ovary and tube. Plant growth 4- to 5-angles, heavy knobby areoles, spine cushions easily detached.

**HOYA—(WAX PLANT)**

Very interesting vining house plants with glossy leaves and umbels of delicately scented small flowers, native of the Malay Peninsula and China.

From recent observations, it seems that the bud spikes on some varieties of HOYAS are very apt to appear on the rapidly growing new vine developing even before the leaves. These spikes or small spurs should NEVER be damaged or picked as they will continue to bear flowers year after year. Do not allow HOYAS to dry out during rapid growth.

We have had reports of Hoyas succeeding under many conditions, if protected from freezing, however, we raise ours where the air is moist and it is warm and light—watering frequently.

For further cultural directions read "The Standard Cyclopedia of Horticulture" by L. H. Bailey under the word Hoya—available at most public libraries. In the book "Flora of the Malay Peninsula" by H. N. Ridley, Vol. II, pages 393-402, you will find numerous Hoyas listed but very few of them have been successfully raised in the United States. They belong to the Asclepiadaceae family.

**HOYA CARNOSA**—pale pink waxy flowers scented, leaves shining dark green. R. C. \$1.00

**HOYA VARIEGATA**—same as above except leaves banded in yellow or pink. R. C. \$1.00

**HOYA EXOTICA**—variegated form with the

variegation down the center of the leaf instead of on the edge. One of the showiest of vines with a broad white to yellow stripe lengthwise through the middle. R. C. \$1.50

**HOYA MOTOSKEI**—from France, long-stalked umbels of waxy white flowers with red center. Globular fleshy leaves. Government import. Leaves similar to H. Carnosa, sometimes flecked with silver. R. C. \$1.00

**HOYA KEYSII**—flowers straw-white, pointed petals with a red base. Heavy glaucous leaves felted on both sides. R. C. \$1.00

**HOYA** (name in question)—white or straw flowers larger than in carnosa, leaves lighter green, well rounded and thick. R. C. \$1.00

All of the above are vines with large broad opposite leaves.

**HOYA BELLA**—bushy dwarf plant. Leaves pointed, waxy, about 1" or less—fairly numerous on the slender stems. There is a variety sold by some dealers under the name of H. Paxtoni which seems to be nearly identical. R. C. \$2.50

**HAWORTHIAS**

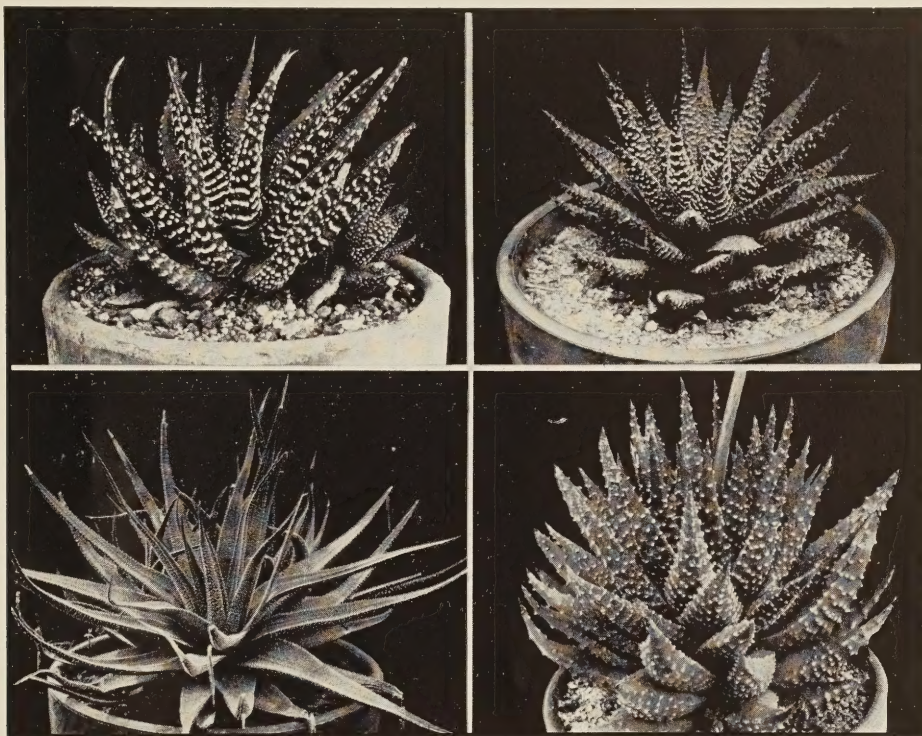
A group of small unique succulents from Africa interesting as small pot plants. They have a wide range of shapes and styles from the low rosettes with leaves variously striped, banded or pearly to other rosettes whose leaves are thick and translucent. There are erect forms whose branches are compactly covered with leaves.



**HAWORTHIA PILIFERA**

Haworthias belong to the Liliaceae family but are not treasured for their very small greenish or white flowers. They thrive well in sun even with poor soil and little water and

are variously priced from 35c to \$2.00 depending on size and variety. If interested write for mimeo list containing about 200 names.



Top left: HAWORTHIA ATTENUATA. Top right: H. MARGARITIFERA var. GRANATA. Bottom left: H. RADULA. Bottom right: H. MARGARITIFERA.

### INSTRUCTIONS

Read carefully before ordering

Please PRINT full name and address plainly. California customers add customary sales tax.

Prices quoted in this catalogue are for unrooted or rooted cuttings postpaid.

Plants in containers are shipped express collect.

When ordering, send check or money-order to cover cost of plants. We do not carry charge accounts. We can ship C.O.D.; however C.O.D. charges are usually quite excessive so it would pay you to send remittance with order.

AIR EXPRESS is very costly but quick and safe. To save on the cost of these excessive charges, UNROOTED cuts are the most ideal.

NOTE CAREFULLY: No shipments are made during extreme winter weather because of danger of damage in transit as there is no insurance against the freezing of plants.

We endeavor to have all plants correctly named. In case of error we will not be responsible for more than the original purchase price of the item ordered.

WHOLESALE: We do not give discounts to dealers from this catalogue but will quote wholesale prices to those interested.

We ship to ALL PARTS of the world.

CUTTINGS offered in GROUPS I through VII are from six to ten inches long and are usually well rooted small plants. Unrooted cuttings sent only when rooted stock is not available or when so requested by customers. There is no difference in price.

In case we are out of any item ordered, please mention several second choices otherwise we may have to make substitution for you. Any substitution will be similar to item ordered and of equal or better value. If you will give names of varieties in your collection we will endeavor to avoid duplicating them.

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